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CLAIMS

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[Claim(s)]

[Claim 1] The managerial system in the interactive on-line system characterized by to have the registration managerial system which registers each service resource in the managerial system in the interactive on-line system which assigns the service resource which suits each service request person from two or more interactive service resources, and the reservation managerial system which assigns each of said service request person the service resource which suits reservation conditions from each of said service request person with reference to the content of registration of said registration managerial system.

[Claim 2] Interactive on-line system is an online educational system. A registration managerial system The school-affairs managerial system which registers the information about a lecture subject, a lecture schedule, and a lecturer is included. A reservation managerial system If there is a demand of lecture reservation from an attendance student, while providing the attendance student with the content of registration of said school-affairs managerial system on-line The managerial system in the interactive on-line system containing the attendance reservation system which manages the information about the lecture subject, lecture schedule, and lecturer whom the attendance student chose according to claim 1.

[Claim 3] The online terminal which an attendance student operates provides an attendance student with the content of registration of the school-affairs managerial system from an attendance reservation system by the image. While transmitting the information about the lecture subject, lecture schedule, and lecturer specified by an attendance student to said attendance reservation system The managerial system in the interactive on-line system according to claim 2 with which the system for attendance students which makes online connection with the terminal for lecturers which a lecturer will operate automatically if the reserved lecture time comes was carried.

[Claim 4] The terminal for lecturers which a lecturer operates receives the information about a lecture subject and a lecture schedule from a school-affairs managerial system. The lecture subject and lecture schedule which a lecturer wants while creating a lecturer's profile information according to directions of a lecturer are inputted. The managerial system in the interactive on-line system according to claim 2 or 3 with which the lecturer registration system which transmits the lecture subject and lecture schedule which the profile information of the lecturer who created, and a lecturer want to said school-affairs managerial system as information about a lecturer was carried.

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DETAILED DESCRIPTION

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[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention is used in interactive on-line system, such as an educational system which used the communication network, and relates to the reservation status inputted by the user by the side of a terminal, and the managerial system which manages the service resource with which a user can be provided.

[0002]

[Description of the Prior Art] The problem that the case to which the user who purchased the personal computer cannot master the personal computer itself and an application program is increasing in recent years with the spread of personal computers has arisen. In order to cope with such a problem, the personal computer classroom is held by the manufacturer, the dealer, the software house, etc. And a user attends school to such a personal computer classroom, when it is difficult to learn by oneself. However, generally education is performed to many students in a personal computer classroom at once. Therefore, the study effectiveness to each user is not so high. Moreover, the time of the date of a personal computer classroom and an address are fixed. Therefore, a user has to receive a short course at convenience by the side of a classroom, and the degree of freedom of selection of a user is not high.

[0003] Even if it is the case where education of one to one is performed, a user has to go to a classroom. Or a lecturer needs to go to a user's origin. Therefore, such education will become expensive.

[0004] Performing various education on-line is being realized with the spread of communication networks. According to such an educational gestalt, a user does not need to go to a classroom. Moreover, a service provision side can provide comparatively free time amount with user educational service.

[0005]

[Problem(s) to be Solved by the Invention] However, with the educational gestalt by online with the high degree of freedom of lecture time amount, there is a problem that management of a curriculum plan etc. is difficult. Especially the thing for which the content of attendance and attendance time amount for which a user wishes, and each lecturer's special field of study and idle time are adjusted if educational magnitude is enlarged is not easy.

[0006] This invention is made in order to cancel such a technical problem, and it aims at offering the managerial system which manages each service resource with which users, such as reservation status, such as attendance reservation inputted by each user by the side of a terminal, the content of a lecture, and time amount on which a lecture can be given, can be provided in interactive on-line system.

[0007]

[Means for Solving the Problem] The managerial system in the interactive on-line system by this invention is a managerial system applied to the interactive on-line system which assigns the service resource which suits each service request person from two or more interactive service resources, and is equipped with the registration managerial system which registers each service resource, and the reservation managerial system which assigns each service request person the service resource which suits reservation conditions from each service request person with reference to the content of registration of a registration managerial system.

[0008] When a managerial system is applied to an online educational system A registration managerial system contains the school-affairs managerial system which registers the information about for example, a lecture subject, a lecture schedule, and a lecturer. A reservation managerial system For example, if there is a demand of lecture reservation from an attendance student, while providing the attendance student with the content of registration of a school-affairs managerial system on-line, the attendance reservation system which manages the information about the lecture subject, lecture schedule, and lecturer whom the attendance student chose is included.

[0009]

[Embodiment of the Invention] Drawing 1 is system configuration drawing showing an example of the interactive on-line system with which the managerial system by this invention is applied. This example is the interactive online educational system to which the attendance student who operates the lecturer who operates being home, the system 20 for lecturers of a satellite, or the systems 201-204 for lecturers in a school 1, and the systems 30 and 40 for attendance students was connected through a public telephone network 50 or the Internet 60. The systems 20,201-204 for lecturers consist of a personal computer 21 and an attached system 22. The attached system 22 contains a camera, a microphone, a loudspeaker and a modem, or DSU. The systems 30 and 40 for attendance students consist of a personal computer 31 and an attached system 32. The attached system 32 contains a camera, a microphone, a loudspeaker and a modem, or DSU. In addition, to each system 20 for lecturers, or 201-204, although only two systems 30 and 40 for attendance students are shown in drawing 1, much more systems for attendance students can also be prepared. The systems 30 and 40 for attendance students are connected to the server 10 through the Internet 60. Moreover, the systems 201-204 for lecturers are connected to the server 10 through LAN70. The terminal boards 12 and 26 between the router 11 between a server 10 and the Internet 60 and the public line network 50, and each systems 20,201-204 for lecturers are also shown in drawing 1.

[0010] Drawing 2 is the top view showing an example of the school (classroom) where the systems 201-220 for lecturers were installed in each of many lecture booths. Much telephone lines (not shown) are drawn in the classroom. When one lecturer takes charge of a maximum of six attendance students at a stretch, the  $20 \times 6 = 120$  telephone line is drawn.

[0011] Drawing 3 is the conceptual diagram showing the outline of the attendance reservation management by the managerial system of this invention. The attendance reservation managerial system 100 carried in the server 10 includes the program which performs analysis of an accounting, claim, and attendance student and lecturer data while managing time information, a lecturer, and a curriculum. The lecturer registration system 200 carried in each systems 20,201-220 for lecturers includes the program which performs input of lecturer information, and registration of the lecture in its duty. The attendance student telelearning system (attendance student tangent line system) 300 carried in the systems 30 and 40 for attendance students includes the program used in order that an attendance student may perform attendance reservation and coupon purchase.

[0012] Drawing 4 is the conceptual diagram showing the outline of a school-affairs managerial system. The school-affairs managerial system 110 carried in the server 10 is a program which manages curriculum registration, lecture booth information, a school-affairs schedule, and lecturer conditions.

[0013] Next, actuation of an interactive online educational system is explained. A manager inputs a school-affairs schedule and a curriculum into the school-affairs managerial system 110. Then, the school-affairs managerial system 110 creates a school-affairs managed schedule as shown in drawing 5 (A). It sets to the time amount from 7:00 to 8:30 at drawing 5 (A), and is Windows 95. The lecturer of a binary name is assigned to an introduction lecture and it is Windows 95. It is shown that one lecturer was assigned to the beginners' class lecture. In addition, supposing one lecturer takes charge of six attendance students simultaneously, it will set to the time amount from 7:00 to 8:30, and it is Windows 95. A  $2 \times 6 = 12$  person attendance student may exist in an introduction lecture. Moreover, Ichitaro, WORD, and 1-2-3 And it is shown that a number of lecturers currently displayed on each lecture of Excel were assigned. In addition, Windows The trademark of Microsoft Corp. and Ichitaro are the trademark of JUST System, and 1-2-3. It is

the trademark of Lotus.

[0014] The lecture registration system 200 in the system 20 for lecturers receives a registration homepage as shown in drawing 6 (A) from the server 10 according to actuation of a lecturer. And a lecturer creates a homepage as indicated in drawing 6 (B) in order to advertise self by the lecture registration system 200 for example, and registers it into the school-affairs managerial system 110 of a server 10.

[0015] A manager also inputs lecture booth information into the school-affairs managerial system 110 beforehand. Lecture booth information is the telephone number of the telephone line drawn in each lecture booth. A booth management table as shown in drawing 5 (B) based on the lecture booth information that it was inputted is created. The school-affairs managerial system 110 manages the lecturer information inputted by each lecturer. For example, lecturer menu as shown in drawing 5 (C) is created.

[0016] A lecturer registers the lecture which wants to take charge of self by carrying out the pointing of the applicable part of a page as shown in drawing 6 (C) further. The school-affairs managerial system 110 creates the lecturer lecture management table which matched a lecturer and time as shown in drawing 6 (C), the curriculum, and the lecture booth number.

[0017] According to actuation of an attendance student, the tangent line systems 300 for attendance students in the systems 30 and 40 for attendance students are the systems 30 and 40 for attendance students, and receive an attendance reservation homepage from a server 10. An attendance student is provided with the attendance reservation managerial system 100 on a server 10 by making school-affairs information into an attendance reservation homepage with the gestalt corresponding to conditions of contract with the attendance student. As shown in drawing 7 (A), an attendance student can perform attendance reservation by making time, a curriculum, or a lecturer into a keyword. Based on attendance reservation, the attendance student's system for attendance students creates an attendance reservation card, as shown in drawing 7 (B). That is, the telephone number connected to the lecturer booth which the time assigned by the school-affairs managerial system 200 based on attendance reservation, a curriculum, a lecturer, and its lecturer use is received from a server 10, and the attendance reservation card with which they were indicated is created. The school-affairs managerial system 200 on a server 10 reflects attendance reservation in school-affairs information. That is, the item about the time and the lecturer in school-affairs information who were reserved is made reserved.

[0018] An attendance student is provided with the page of an empty lecturer's profile currently assigned to the time when an attendance student performs attendance reservation by making time into a keyword using the tangent line system 300 for attendance students. Then, an attendance student chooses a lecturer. An attendance student is provided with the page of the profile of the empty lecturer who takes charge of the curriculum when an attendance student performs attendance reservation by making a curriculum into a keyword. Then, an attendance student chooses a lecturer. When an attendance student performs attendance reservation by making a lecturer into a keyword, the page the time which the lecturer takes charge of was clearly shown to be is offered, and an attendance student chooses attendance time.

[0019] If attendance time comes, automatic call origination of the systems 30 and 40 for attendance students will be carried out to the telephone number indicated by the attendance reservation card. Therefore, the systems 30 and 40 for attendance students are connected to the system for lecturers in an applicable lecturer booth through a public telephone network 60. A lecturer performs the online lecture to an attendance student through the system for lecturers, a public telephone network 60, and the systems 30 and 40 for attendance students. When the lecturer educates to two or more attendance students simultaneously, a simultaneous indication of the image data transmitted by for example, each attendance student is given at each split screen on CRT23 of the system for lecturers. Moreover, the voice data transmitted by each attendance student is outputted from the loudspeaker 26 of the system for lecturers. The voice data and the image data from a lecturer are transmitted to each attendance student's system for attendance students through the public line network 50.

[0020] After a lecture is completed, the attendance reservation managerial system 100 performs accounting for one curriculum. When the attendance student pays in beforehand, the online

attendance coupon as beforehand shown in drawing 7 (C) is created. And one coupon is made used. An attendance student can also apply for supplementary lessons by carrying out additional purchase of the online attendance coupon. In that case, an attendance student receives an attendance coupon page as shown in drawing 7 (C) from a server 10, and performs purchase actuation. The attendance reservation managerial system 100 on a server 10 makes the attendance student's coupon balance increase by the purchase coupon. And an attendance student performs attendance reservation about supplementary lessons by actuation which was already explained. In addition, an attendance student purchases the coupon for the 12 time limits to drawing 7 (C), and the example for which the two time limits were already used is shown in it. [0021] The attendance reservation managerial system 100 also performs assessment of each lecturer. The rate (rate of attendance reservation) of the number of reserved attendance students to the total number of the attendance students in charge of the lecturer in charge is computed at a suitable stage. Moreover, a number of rates (rate of a repeat) which the attendance student made the lecturer the keyword and performed attendance reservation of the 2nd henceforth to the lecturer are computed to the total number of the attendance students in charge of the lecturer in charge. The rate of attendance reservation and the rate of a repeat are used as a scale of lecturer assessment. For example, the school-affairs managerial system 110 enters the rate of attendance reservation, and the rate of a repeat in lecturer information, as shown in drawing 5 (C). Moreover, the lecturer's salary is revised based on the rate of attendance reservation, and the rate of a repeat.

[0022] As mentioned above, in an online educational system, since the configuration so that the attendance reservation managerial system 100 provides each attendance student with the school-affairs information which the school-affairs managerial system 200 created, each attendance student may perform attendance reservation on-line based on the offered school-affairs information, the school-affairs managerial system 200 may compare the attendance reservation from an attendance student and school-affairs information and lecture allocation etc. may be carried out was adopted, complicated school-affairs management is performed automatically. Therefore, also in the educational system which consists of a lecturer of the large-scale number of lectures, and a large number, and many attendance students, school-affairs management can be performed easily.

[0023] In addition, although the gestalt by which intensive arrangement of the systems 201-220 for lecturers was carried out here in the classroom was explained to the example, as shown in drawing 1, the system 20 for lecturers may be distributed.

[0024] Moreover, although the online educational system was explained to the example here, the managerial system by this invention is also applicable to other interactive on-line system. For example, a terminal side is provided with a doctor's empty schedule, and if it is vacant and a patient is made to perform consultation reservation based on a schedule, the consultation reservation system by which the offered managerial system by this invention was applied will be built.

[0025]

[Effect of the Invention] As mentioned above, when according to this invention the information from a terminal side and the information by the side of a manager are adjusted in large-scale interactive on-line system and it manages a system, a system management can be advanced easily.

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DESCRIPTION OF DRAWINGS

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[Brief Description of the Drawings]

[Drawing 1] It is system configuration drawing showing an example of the interactive on-line system with which the managerial system by this invention is applied.

[Drawing 2] It is the top view showing an example of the classroom in which many systems 201-220 for lecturers were installed.

[Drawing 3] It is the conceptual diagram showing the outline of the attendance reservation management by the managerial system of this invention.

[Drawing 4] It is the conceptual diagram showing the outline of a school-affairs managerial system.

[Drawing 5] It is the explanatory view showing an example of the creation data of a school-affairs managerial system.

[Drawing 6] It is the explanatory view showing the situation of registration of lecturer information.

[Drawing 7] It is the explanatory view showing the situation of attendance reservation.

[Description of Notations]

10 Server

20,201-220 System for lecturers

30 40 System for attendance students

100 Attendance Reservation Managerial System

110 School-Affairs Managerial System

200 Lecturer Registration System

tangent line system for 300 attendance students

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[Translation done.]

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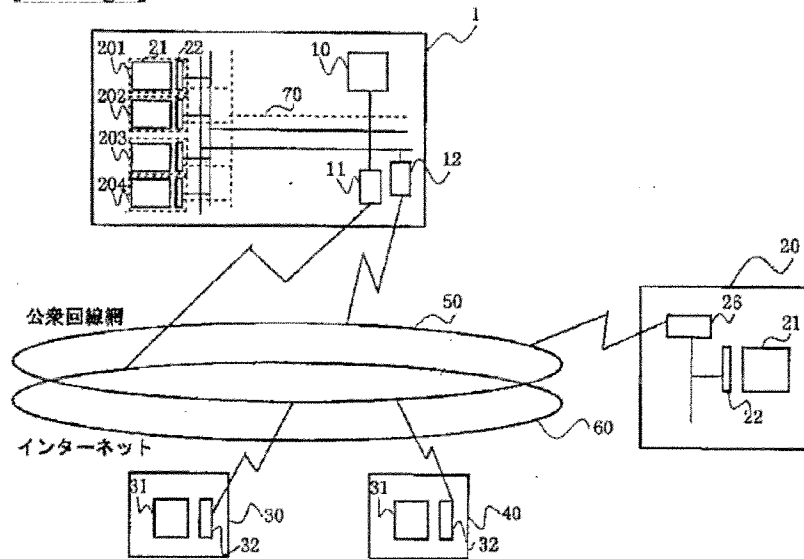
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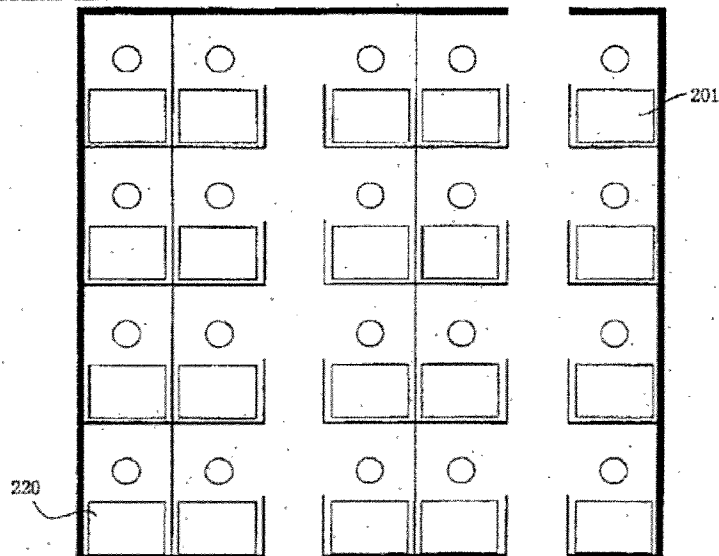
3.In the drawings, any words are not translated.

## DRAWINGS

[Drawing 1]



[Drawing 2]



[Drawing 5]

(A)

上記：各授業科目  
7歳：ブース番号

授業科目	講師	受講生	授業時間	授業場所
英語 (英)	1人	1人	1人	1人
英語 (英)	1人	1人	1人	1人
英語 (英)	1人	1人	1人	1人
英語 (英)	1人	1人	1人	1人
英語 (英)	1人	1人	1人	1人
英語 (英)	1人	1人	1人	1人
英語 (英)	1人	1人	1人	1人
英語 (英)	1人	1人	1人	1人
英語 (英)	1人	1人	1人	1人
英語 (英)	1人	1人	1人	1人

(B)

ブースNO.	講師NO.	受講生NO.	授業科目	授業時間	授業場所
1	0001-1001	0001-1001	英語 (英)	1人	1人
2	0001-1002	0001-1002	英語 (英)	1人	1人
3					
4					

(C)

講師 中村 悦子 講師番号 124587

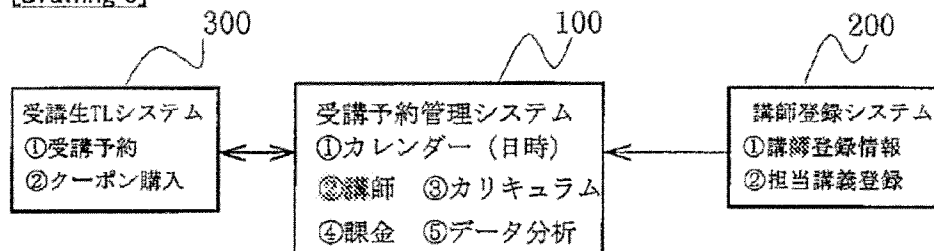
受講予約率 85% リピート率 32%

一太郎 入門講座 ランクA

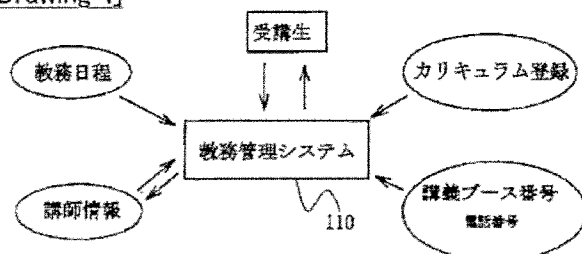
一太郎 初級講座 ランクA

ブース

[Drawing 3]

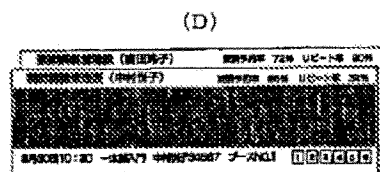
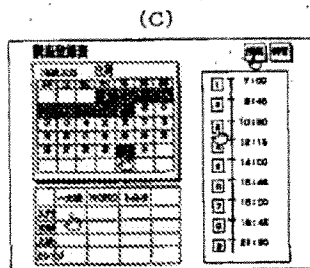
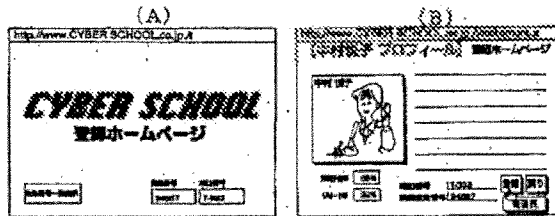


[Drawing 4]

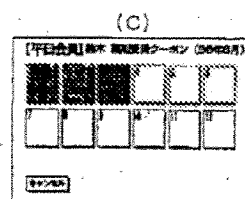
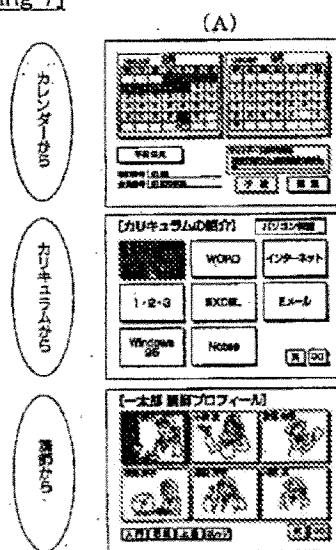


[Drawing 6]





[Drawing 7]



[Translation done.]